

**TITLE: METHOD AND APPARATUS FOR HYDROGENATING  
HYDROCARBON FUELS**

**ABSTRACT OF THE DISCLOSURE**

In the present invention, there is provided a process and an apparatus for hydrogenating hydrocarbon fuels. A receptacle is partly filled an aqueous solution containing sodium hydroxide. A hydrocarbon fuel is then introduced inside the receptacle atop the aqueous solution. Aluminum is introduced in the aqueous solution, thereby producing hydrogen gas. The hydrogen gas is bubbled through the hydrocarbon fuel for hydrogenating the fuel.